

10/525,400

AMENDMENTS TO THE SPECIFICATION

Please insert the following paragraph at page 1, line 2:

Cross Reference to Related Applications

The present application is a 35 U.S.C. § 371 national phase conversion of International Application No. PCT/EP2003/007580 filed 14 July 2003, which claims priority from European patent application No. 02018642.5, filed August 20, 2002 and published in the German language.

*KAM
8/13/04*
Please insert the following section heading at page 1, line 3:

Field of the Invention

Please insert the following section heading at page 1, line 16:

Background of the Invention

*KAM
8/13/04*
Please insert the following section heading at page 2, line 27:

Summary of the Invention

Please replace the paragraph beginning at page 6, line 4, with the following rewritten paragraph:

Various further embodiments relate to the detailed design of the holding pipe, securing element and coolant pipe section. ~~These particular embodiments form the subject matter of claims 6 to 12.~~

Please replace the paragraph beginning at page 6, line 9, with the following rewritten paragraph:

In principle, it is preferably for a holding pipe to in each case surround a coolant pipe section, i.e. for a holding pipe to be led to the outside through the furnace casing, and for a coolant pipe section in each case to be led to the outside through the furnace casing inside a holding pipe.

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Please insert the following section heading at page 7, line 29:

Brief Description of the Drawings

Please replace the paragraph beginning at page 7, line 32, with the following rewritten paragraph:

Fig. 1a shows [[a]] an elevational section through a two-passage cooling plate;

Fig. 1b is a view of the cooling plate of Fig 1a on the path A-A of Fig. 1a;

Fig. 2 shows [[a]] an elevational section through a four-passage cooling plate;

Fig. 2b is a view of the cooling plate of the path A-A of Fig. 2a;

Fig. 3 shows an arrangement of a plurality of cooling plates;

Fig. 4 shows the segmenting of a four-passage cooling plate; and

Fig. 5-9 show various designs of a holding pipe.

Please replace the paragraph beginning at page 8, line 1, with the following rewritten paragraph:

Description of Preferred Embodiments

Fig. 1a and 1b Fig. 1 shows a two-passage cooling plate 1 which is secured to a furnace casing plate 2. The cooling plate consists of copper and has tongues 3 on the side facing the interior of the furnace. The space between cooling plate 1 and furnace casing plate 2 is backfilled with refractory material 4. Further cooling plates 1' are arranged above and below and - not shown - to the sides of the cooling plate 1. The cooling plate 1 is provided with vertically running cooling passages 5, which are designed as blind bores in the cast or rolled plate body. Coolant pipe sections 6 for supplying and removing coolant (usually water) are led through the furnace casing 2 at the upper and lower ends of each cooling passage 5. At each coolant pipe section 6, a holding pipe 7 - surrounding the coolant pipe section 6 - is likewise led to the outside through the furnace casing. The holding pipe 7 is screwed to a disk-like connecting piece 8, which for its part is secured to the cooling plate 1 by screw connection 9. Outside the furnace casing 2, the holding pipe 7 is provided with a welded-on holding disk 10 which limits the mobility of the cooling plate 1 in the direction of the interior of the furnace. Holding pipe 7 and coolant pipe section 6